



**Weapons of Mass Destruction Training**

# **Prevention and Response to Suicide Bombing Incidents (PRSBI) Information Package**

**(09/01/06)**

**New Mexico Tech**

**Energetic Material Research and Testing Center**

**EMRTC**

**801 Leroy Place**

**Socorro, New Mexico 87801**



**<http://respond.emrtc.nmt.edu/>**

**[respond@emrtc.nmt.edu](mailto:respond@emrtc.nmt.edu)**

**Phone: (505) 835-5573**

**Fax: (505) 835-5957**

## **PREVENTION AND RESPONSE TO SUICIDE BOMBING INCIDENTS COURSE**

### **APPLICATION PROCESS**

**All training requests must be approved through your Office of State and Local Domestic Preparedness Support-Designated State Agency Training “point of contact”.**

1. This training program is supported through the U.S. Department of Homeland Security, Office of Grants and Training (DHS-G&T). It is designed to provide technical operational level training for active state and local firefighters, law enforcement personnel, emergency medical personnel, and other first responders who have significant responsibility for providing specialized support during weapons of mass destruction (WMD) incidents, particularly those involving explosive or incendiary materials.
2. Approved car rental, hotel, and per diem costs are reimbursable through the Department of Homeland Security program. Airfare and hotel costs are billed directly to the PRSBI funded program. Airline and rental car arrangements must be booked through Paradise Travel Agency. Paradise Travel will use alternative airports to reduce the cost of airfares when possible. Mileage will be reimbursed @ 39¢ per mile for use of Privately Owned Vehicles (POVs) to and from your residence and the airport. In addition, the PRSBI Program Manager must approve all costs that exceed \$50.00 for taxi or limousine services to and from your residence and the airport. The federal per diem rate (meals and incidentals) is \$39.00 per day. Federal employees are eligible to attend this training on a space available basis. They are NOT eligible for reimbursement under this program and must pay for their own expenses and travel.
3. We encourage you to complete the attached application and submit it through your channels for review and approval as soon as possible. Your timely response will assist us in ensuring you receive the class date of your preference.
4. It is imperative that you provide a personal email address and three (3) preferred class dates. If the application is incomplete, processing of it will be delayed.
5. In addition to the application, we have provided a course synopsis and applicant information sheet. These are yours to keep. You can access the PRSBI training schedule by typing in the following website: <http://respond.emrtc.nmt.edu/>. We recommend that you list three (3) class dates in order of preference in Block 5 of the application. We will make every effort to slot you in one of your preferred class dates.
6. The Scheduling Coordinator will review the application to ensure that it contains all the required information. If approved, a confirmation package with your class date will be emailed / faxed to you, along with travel, rental car and hotel reservation instructions. Class confirmation is determined when your travel request is received through Paradise Travel.
7. If you have any questions regarding any aspect of the program, please contact us. We will be happy to assist you in any way we can.

# Official Application: Prevention and Response to Suicide Bombing Incidents

## Personal Information

Last Name

First Name

MI

Home Address

City

State

Zip

Home Phone

Date of Birth (mm/dd/yyyy)

Please take extra care in entering email addresses.  
Print clearly and make sure that 'dots' and 'underscores' are easily read.

Email

## Preferred Dates of Attendance

First Preferred (mm/dd/yyyy)

Second Preferred (mm/dd/yyyy)

Third Preferred (mm/dd/yyyy)

## Agency Information

Department Name

Title / Rank

Mailing Address

City

County

State

Zip

Office Phone

Office Fax

Agency Email

## Department Head or Designated Individual Approval and Applicant Signature

State Point of Contact Name (Print)

State Point of Contact Signature

Department Head Name (Print)

Department Head Signature

Applicant Signature

Date

Date

41328



## INSTRUCTION SHEET

The following instructions are provided to assist you in completing the application form.

**Note: Your DHS Appointed State Point of Contact must sign this application or e-mail approval for attendance for this training.**

### **Personal Information:**

1. (Last Name) – Self-Explanatory.
2. (Home Address) – Your complete street address to include Apt #, etc.
3. (Personal e-mail) – You **must** provide a clearly legible email address. This is the most effective means of communication.
4. (Date of Birth) – Example: 04/29/1970.
5. (Preferred Class Dates) – Provide three (3) in order of preference. To view course dates, go to **<http://respond.emrtc.nmt.edu>**
6. If you are selected to attend a class, a confirmation letter will be faxed to you with instructions to contact the travel agency and hotel to make your airline, car rental, and hotel reservations.

### **Agency Information:**

7. (Name of Department) – Official Title of Department/Agency you are employed by.
8. (Position Title) – Your official Position/Duty Title.
9. (Rank) – The rank you currently hold.
10. (Mailing Address) – Your department mailing address.
11. **Office phone and FAX numbers - Ensure that a good office phone and fax number is provided on each application.**
12. (County/Parish) – The county in which your Department is located.
13. (Years of Service) – The total number of years you have served in your current area of expertise.
14. (Agency email)

### **Departmental Authorization:**

- 15. Approval and a signature is required from your department/agency to authorize this training.**

### **Applicant Signature:**

16. You must sign your name in this block.

## **Course Description**

This course is designed to provide advanced training in responding to suicide bombings. The course includes detailed instruction on improvised explosive devices (IEDs) and explosive materials typically used in suicide bombings. It features range demonstrations of explosive effects and comprehensive training on critical response actions during pre- and post-detonation operations. The course addresses actions and programs designed to prevent or deter suicide bombings, as well as techniques, tactics, and procedures to respond to a variety of suicide bombing scenarios. In addition, it includes detailed discussions concerning the unique legal implications of the methods used to detect, prevent and deter suicide bombings. Participants draft an action plan outline for preparing their agencies to address this developing potential threat to communities in the United States. Participants who successfully complete this course and who are certified as trainers by their agency are also certified to deliver the Awareness Level Prevention and Response to Suicide Bombing Incidents course in their agency.

## **Target Audience**

This course is designed for mid to senior level state and local police, fire, emergency medical services (EMS), and emergency management operations personnel or individuals in positions which influence decisions/policy, in order to have the greatest impact in preparing their respective agencies for responding to the suicide bomb threat. Participants must have substantial experience in their respective agencies and sufficient tenure remaining in their current or future position to allow for the application of course material upon their return. Personnel chosen for this training must be in a position to have a positive influence on developing and/or revising departmental policies and procedures necessary for dealing with the suicide bombing threat.

## **Prerequisites**

The following prerequisites apply to personnel attending this course:

- Substantial experience in their respective agencies in positions beyond entry level.
- Assignment or identification for assignment to a position responsible for conducting WMD training; developing plans, policies, procedures and tactics to govern response; providing specialized response support during WMD incidents; or coordinating initial response to a WMD incident.
- Sufficient tenure remaining in their current or future position to allow for the application of course material upon their return.

Required prerequisites must be verified by the participant's department at the time of application. Participants must have a picture ID (preferably one issued by their department) for presentation to instructors prior to the start of instruction.

## **Scope of the Course**

This is resident train-the-trainer course designed to provide advanced training in responding to suicide bombing attacks. The instructional modules include 13 classroom sessions, one case study, and three field laboratories, including the final practical activity.

### ***MODULE 1: Course Introduction***

This module provides participants with information about the training program, the training location and the course schedule. Participants are introduced to course and module goals and objectives and

administrative and range requirements for completion of the course and reimbursement for travel costs. In addition, it is during this module that participants are administered a pre-test and pre-course skills evaluation assessment to determine their level of knowledge at the beginning of training in order to measure performance advancement at course end.

#### *MODULE 2: Defining the Suicide Bombing Threat*

In this module, participants are provided: various definitions relating to terrorism, suicide terrorism and terrorist organizations; a historic overview of suicide bombings and terrorist groups that utilize suicide bombing as a tactic; the evolution of the use of suicide bombings; the three types of suicide bombings; likely targets of suicide bombings; the eight phases of a suicide bombing attack; characteristics and psychological aspects of suicide bomber; catalysts that move terrorist groups and their people to carry out suicide bombings; and, how emergency organizations can disrupt a terrorist cell's ability to carry out a suicide bomb

#### *MODULE 3: Basic Explosives and Characteristics*

In this module identification, basic concepts, and characteristics of energetic materials are presented. Topics will focus on commercial, military, and improvised explosives utilized by suicide bombers. Examples of explosives discussed include: Detasheet, Dynamite, C-4, ANFO, initiators, and peroxide-based explosives such as TATP. In addition, basic terms, concepts, and explosive characteristics will be discussed to support a participant understanding of what they will see, feel, and hear during the subsequent field laboratories. Explosive and firing system concepts will be directly linked to course work-place performance objectives in order for participants to identify primary intelligence requirements prior to an attack.

#### *MODULE 4: Field Laboratory (Basic Explosives and Characteristics)*

This is the first field laboratory to be conducted on the NMT explosives range. It is designed to provide participants with an opportunity to observe and perform under conditions that more closely approximate the real-world environment. In this field laboratory, participants will be afforded the opportunity to observe and handle common explosives, detonators, and other initiating systems first hand (where safety guidelines permit) that were presented in classroom Module 3. During this module, participants will be introduced to a variety of common energetic materials. Examples of energetic materials that will be demonstrated during this module include Detasheet, Detagel, Dynamite, PETN, C-4, ANFO, stable improvised explosives, and NONEL Initiation System.

#### *MODULE 5: Infrastructure Protection, Risk Management, and Critical Asset Assessment*

During this module, instructors describe appropriate actions for executing safe and effective response to bomb threat and suspicious item incidents and highlight critical decisions that must be made and problems that frequently develop. At the completion of the instructor presentation, participants complete a practical exercise and prepare to share their work with others in the class.

#### *MODULE 6: Case Studies*

During this module participants will analyze course concepts within the context of actual suicide bombing incidents, in order to reinforce key course concepts.

### *MODULE 7: Threat Assessments*

In this module participants will be introduced to the second step in the risk management model. Threat assessment will be covered in detail and each participant will be provided with threat assessment worksheets to be used during the course and upon return to their jurisdiction. These tools will assist participants in accurately assessing their local and regional threat level - thus providing an indication as to what types of plans and countermeasures need to be in place for a specific adversary. Participants in an instructor led, group effort will develop a threat assessment of an adversary known to use suicide bombing as a tactic. The module prepares participants for the final course exercise.

### *MODULE 8: Information Collection and Management*

Participants will be familiarized with data relating to techniques and processes for the collection, analysis, management and dissemination of counter terrorist protective information appropriate to their organizations and agencies. Topics covered will include but not be limited to: collection techniques, sources and methods including certain legal ramifications which may apply; the importance of protective information handling centers; classification and sharing protective information appropriately; the critical importance of the information analysis process; development of pre-attack indicators oriented to specific localities; threat and warning levels derived from local and national protective information and finally state and local relationships to the national counter terrorist protective information process.

### *MODULE 9: Suicide Bombing Devices*

In this module participants are familiarized with basic improvised and suicide explosive devices (IEDs) appropriate for first responders (non-bomb techs). Basic components are discussed to facilitate the first responder's ability to recognize and take appropriate immediate actions to safeguard lives regarding suspicious items and IED hazards. The discussion of devices is tied to descriptions of explosive materials presented in the earlier explosive module. A series of suicide IED training devices from commonly available items are discussed and examples shown to participants. Specific IED components, such as triggering systems, initiation systems and concealment techniques are described. Additionally, participants are familiarized with blasting accessories commonly used in the production or use of suicide IEDs. Participants are not trained to render safe (RSP) devices but are given information enabling critical decision making both in policy and procedural development or when in a crisis situation during an imminent suicide attack phase. Evacuation and containment (pre-blast) perimeters are discussed in detail for incidents involving a failed to function device, a threatening bomber, or incapacitated bomber still armed with a full or partial device.

### *MODULE 10: Field Laboratory (Suicide Bombing Devices)*

This is the second field laboratory at the NMT explosives range. This module provides participants the opportunity to view the three categories of improvised explosive devices (explosive belt, package, and vehicle bomb). They will witness the detonation of these improvised explosive devices in order to observe firsthand the dangers and destructive power of these devices in a real-world environment.

### *MODULE 11: Vulnerability Assessments*

In this module participants will receive information on the importance of conducting vulnerability assessments within their communities in order to develop scaled countermeasures appropriate to the threat. In addition, participants will be provided vulnerability assessment tools to be used upon return to their jurisdiction. These tools will assist participants on how to determine an assets or targets

vulnerabilities - thus providing an indication as to what types of plans and countermeasures need to be in place for potential terrorist targets. All tools will be incorporated into an overall risk analysis that assists in determining selection of effective countermeasures. Planning documents will be covered with the participants to better prepare them for developing local plans upon their return to work. A tabletop practical exercise that incorporates the vulnerability assessment will conclude the module. This module exercise further prepares participants for the risk analysis module and the course final practical exercise.

#### *MODULE 12: Use of Force and Profiling*

This module is legally oriented but is designed for law enforcement officers, firemen and EMS personnel. Participants will be provided with legal guidelines related to the use of force, particularly deadly force, in the context of suicide bombings. The nature of the probable cause required to use deadly force in certain types of suicide bombing events, with emphasis on imminent attack indicators, will be explored. The legal issues related to “racial profiling” in the development of probable cause for the use of deadly force will be reviewed. Civil liability issues associated with a law enforcement officer's use of deadly force will also be discussed.

#### *MODULE 13: Pre-Attack Countermeasures / Imminent Attack Issues and Responses*

This block of instruction is oriented toward providing course participants with information, techniques and practical examples of physical, procedural, staffing and operational countermeasures that can be implemented as terrorist threat levels rise. Specifically discussed, among other things, are: layers of defense; standoff and reactionary gaps; identification and use of force multipliers; counter-surveillance and over watch; proactive interdiction and creative disruptions; intrusion detection/defensive equipment and technologies. This material is directly related to planning, recruitment and assembly phases of suicide bombing attacks discussed in Module 2, “Defining the Suicide Bombing Threat,” as well as Vulnerability and Threat Assessment and Risk Analysis sections of previous modules. Participants in this module will be presented with issues coinciding with the final phases of a terrorist/suicide bombing attack. They will receive additional information on the techniques of layering of final defenses and immediate action procedures and techniques that are facilitated by the resulting reactionary gaps created by the layers of defense. The purpose of the gaps are to increase law enforcement reaction time, permit immediate reaction procedures and force detonation away from the target for the three types of suicide bombing attacks. Among the matters discussed will be use of barriers, baffles, screening technologies and procedures, manifest psychological / physical characteristics of bombers as well as profiling. This block builds on legal issues dealing with the use of force, deadly force and profiling. Life safety issues and mitigation are also covered.

#### *MODULE 14: Risk Analysis*

In this module participants will receive information on the importance of conducting a risk analysis based on asset, threat, vulnerability assessments within their communities in order to develop scaled countermeasures appropriate to the threat. In addition, participants will be provided risk analysis tools to be used upon return to their jurisdiction. These tools will assist participants on how to more closely assess proposals and upgrades regarding security - thus providing an indication as to what types of plans and countermeasures need to be in place for potential terrorist targets. The overall risk analysis assists in determining selection of effective countermeasures. Planning documents will be covered with the participants to better prepare them for developing local plans upon their return to



work. A tabletop practical exercise that incorporates the risk analysis tools will conclude the module. This module exercise further prepares participants for the course final practical exercise.

#### *MODULE 15: Post-Blast Issues and Responses*

This module provides policy guidance and practical, relevant knowledge of related subjects for decision makers within response organizations to prepare effectively for a suicide bombing, and is designed to help mid and senior-level managers prepare their departments and agencies for responding to a suicide bombing.

#### *MODULE 16: Final Exercise*

This module provides participants with their final full-scale practical exercise, which will be conducted in a field environment. This practical exercise will provide participants the opportunity to use the knowledge and skills obtained during this course. Over the five hours assigned to this exercise, a number of exercise phases will be conducted. Participants will be given the opportunity to conduct target identification and vulnerability assessments, collect and manage information indicating pre-attack and imminent attack phases of a suicide bombing, implement pre-attack countermeasures, perform interdiction activities to prevent a suicide bombing in the imminent attack phase, and respond to a post-blast incident that may involve a secondary device.

#### *MODULE 17: Course Summary, Administration, and Graduation*

This module summarizes the major points presented during the course. In addition, participants complete a post-course assessment of their knowledge and skills in order to measure their own perceived achievements during the course. Furthermore, participants are encouraged to ask any final questions of instructors and identify any additional information or materials that would be helpful to them in performing their suicide bombing prevention/response related duties. A post-test is then administered to participants to ensure objectives of the course have been assimilated. Finally, certificates are presented to all participants who have completed course requirements.

### **Testing and Evaluation Requirements**

After completion of instruction, participants will be take a post-test. The test will include one or more items designed to assess understanding of each module objective. Successful performance on the post-test (scoring 70% or better) will be recognized by issuance of a “Trainer Certification” that recognizes the capability of a participant to present awareness level instruction to other personnel in his/her agency. Participants who fail to perform satisfactorily (score less than 70%) on the post-test will be issued a certificate acknowledging their completion of training.